

Name: \_\_\_\_\_

## Agricultural Power II

### Directions:

Evaluate the student by checking the appropriate number or letter to indicate the degree of competency. The rating for each task should reflect **employability readiness** rather than the grades given in class.

### Rating Scale:

- 3 Mastered** – can work independently with no supervision
- 2 Requires Supervision** – can perform job completely with limited supervision
- 1 Not Mastered** – requires instruction and close supervision
- N No Exposure** – no experience or knowledge in this area

NOTE: The code in parentheses is the competency identification number used in computerized management systems.

NOTE: All competencies involving safety require a Number 3 rating.

3	2	1	N	
				The student has mastered the related competencies of Agricultural Science I and II.

3	2	1	N	A. Principles of Operation	Notes:
				1. Explain the operating principles of multicylinder gasoline engines (A001)	
				2. Explain the operating principles of multicylinder diesel engines (A002)	
				3. Identify safety procedures to follow when servicing & repairing multicylinder engines (A003)	
				Other:	

3	2	1	N	B. Testing and Analyzing Multicylinder Components	Notes:
				1. Test & analyze gasoline fuel system (B001)	
				2. Test & analyze an ignition system (B002)	
				3. Test & analyze a cooling system (B003)	
				4. Test & analyze a hydraulic system (B004)	
				5. Test & analyze a steering system (B005)	
				6. Test & analyze an air intake & exhaust system (B006)	
				7. Test & analyze a compression system (B007)	
				8. Test & analyze a lubrication system (B008)	
				9. Test & analyze an injection system (B009)	
				10. Test & analyze a governor system (B010)	
				11. Test & analyze an electronic system (B011)	
				12. Test & analyze a comfort equipment system (B012)	
				13. Test & analyze an electrical system (B013)	
				Other:	

3	2	1	N	C. Servicing a Multicylinder Engine	Notes:
				1. Service & repair a gasoline fuel system (C001)	
				2. Service & repair an ignition system (C002)	
				3. Service & repair a cooling system (C003)	
				4. Service & repair a hydraulic system (C004)	
				5. Service & repair a steering system (C005)	
				6. Service & repair an air intake & exhaust system (C006)	
				7. Service & repair a compression system (C007)	
				8. Service & repair a lubrication system (C008)	
				9. Service & repair an injection system (C009)	
				10. Service & repair a governor system (C010)	
				11. Service & repair an electronic system (C011)	
				12. Service & repair a comfort equipment system (C012)	
				13. Service & repair an electrical system (C013)	
				Other:	

3	2	1	N	D. Servicing a Power Train	Notes:
				1. Service a transmission (D001)	
				2. Service a differential (D002)	
				3. Service a final drive (D003)	
				4. Service wheel bearings (D004)	
				5. Check & adjust tires & wheels (D005)	
				6. Check & adjust a clutch (D006)	
				7. Identify types of brakes (D007)	
				8. Check & adjust P.T.O (D008)	
				Other:	

3	2	1	N	<b>Leadership &amp; Personal Development for Advanced Students (Leadership Duty C)</b>	<b>Notes:</b>
				1. Develop a resume and complete a job application (C001)	
				2. Develop a plan for finding a job (C002)	
				3. Describe how to apply and interview for a job (C003)	
				4. Describe the characteristics needed to develop desirable personal and social skills (C004)	
				5. Describe the importance and process of developing better human relationships (C005)	
				Other:	

3	2	1	N	<b>Using the Missouri Farm Business Record Book (SAE Duty D)</b>	<b>Notes:</b>
				1. Describe the two types of accounting methods (D001)	
				2. Complete the forms needed to open the Missouri Farm Business Record Book (D002)	
				3. Develop a projected cash flow (D003)	
				4. Record receipts and expenditures in the Missouri Farm Business Record Book (D004)	
				5. Complete additional records in the Missouri Farm Business Record Book (D005)	
				6. Complete the forms necessary to summarize the Missouri Farm Business Record Book (D006)	
				7. Analyze the farm business using the Missouri Farm Business Record Book (D007)	
				Other:	